Author index

A 1. 1. NT 175	Ito, S. 17	Orsini, J. P. G. 69
Adachi, N. 175		, ,
Aiba, S. 229	Itô, Y. 79	Oshima, Y. 363
Akashi, N. 311	Iwatsubo, G. 299	D 1 11 C (0
Ann, S. W. 363	17 1 17 61	Park, H. C. 69
Asada, M. 89	Kameda, K. 51	Puntieri, J. G. 121
	Kawaguchi, H. 299	
Bekku, Y. 217	Kohno, A. 187	Sasa, K. 339
Bellingham, P. J. 229	Kohno, T. 111	Singh, K. P. 149
	Kohyama, T. 229	Soné, K. 187
Enoki, T. 299	Koike, I. 381	Sugiura, N. 249
	Koizumi, H. 217	Suzuki, T. 381
Fujihara, M. 325	Kudo, G. 283	
Fukui, M. 257	Kume, A. 207	Takada, Y. 371
		Takahashi, M. 175
Gentil, J. G. 201	Lim, W. H. L. 321	Takaoka, S. 339
Gyokusen, K. 17		Takii, S. 257
	Majer, J. D. 69	Tanaka, C. 207
Hall, R. L. 121		Terashima, I. 175
Hara, M. 325	Nakadai, T. 217	Thomson, D. L. 61
Hasegawa, M. 11	Nakagoshi, N. 97	,
Hino, T. 165	Nakamura, T. 105	Totsuka, T. 217
Hirata, K. 325	Nakane, K. 111	Tripathi, S. K. 149
Hobbs, R. J. 69	Namikawa, K. 23	Tsuchiya, T. 291
Horikoshi, T. 111	Natuhara, Y. 1	Tsukamoto, J. 35
	Niinemets, Ü. 269	Turner, I. M. 321
Ida, H. 97		
Iguchi, I. 165	Ochiai, K. 89	Yabe, K. 139
Ikusima, I. 201, 291	Ohsawa, M. 351	Yabe, T. 291
Imai, C. 1	Onimaru, K. 139	Yamaguchi, T. 11
Ishida, A. 193	Oono, K. 325	Yoshida, N. 351

Author index

A 1. 1. NT 175	Ito, S. 17	Orsini, J. P. G. 69
Adachi, N. 175		, ,
Aiba, S. 229	Itô, Y. 79	Oshima, Y. 363
Akashi, N. 311	Iwatsubo, G. 299	D 1 11 C (0
Ann, S. W. 363	17 1 17 61	Park, H. C. 69
Asada, M. 89	Kameda, K. 51	Puntieri, J. G. 121
	Kawaguchi, H. 299	
Bekku, Y. 217	Kohno, A. 187	Sasa, K. 339
Bellingham, P. J. 229	Kohno, T. 111	Singh, K. P. 149
	Kohyama, T. 229	Soné, K. 187
Enoki, T. 299	Koike, I. 381	Sugiura, N. 249
	Koizumi, H. 217	Suzuki, T. 381
Fujihara, M. 325	Kudo, G. 283	
Fukui, M. 257	Kume, A. 207	Takada, Y. 371
		Takahashi, M. 175
Gentil, J. G. 201	Lim, W. H. L. 321	Takaoka, S. 339
Gyokusen, K. 17		Takii, S. 257
	Majer, J. D. 69	Tanaka, C. 207
Hall, R. L. 121		Terashima, I. 175
Hara, M. 325	Nakadai, T. 217	Thomson, D. L. 61
Hasegawa, M. 11	Nakagoshi, N. 97	,
Hino, T. 165	Nakamura, T. 105	Totsuka, T. 217
Hirata, K. 325	Nakane, K. 111	Tripathi, S. K. 149
Hobbs, R. J. 69	Namikawa, K. 23	Tsuchiya, T. 291
Horikoshi, T. 111	Natuhara, Y. 1	Tsukamoto, J. 35
	Niinemets, Ü. 269	Turner, I. M. 321
Ida, H. 97		
Iguchi, I. 165	Ochiai, K. 89	Yabe, K. 139
Ikusima, I. 201, 291	Ohsawa, M. 351	Yabe, T. 291
Imai, C. 1	Onimaru, K. 139	Yamaguchi, T. 11
Ishida, A. 193	Oono, K. 325	Yoshida, N. 351

flux in bamboo savannas of dry tropics 149

Subject index

3/2 power law and size/density relationship in <i>Galium</i> aparine 121	mineralization in sediments of hypertrophic lakes 257 Carex spp.; nutrient recovery and specific leaf area in 139 Cervus nippon; food habits of 89
A	Chamaecyparis obtusa; spatial distribution in temperate forest of 311
Abies homolepis; spatial distribution in temperate forest of 311 abiotic decomposition of leaves of Nymphaea elegans 201	clear-felling and root respiration in broad-leaved forest 111 clonal plants; nitrogen translocation in oligotrophic deserts of 175 coastal forests; clump structure of <i>Litsea japonica</i> growing
Acer platanoides, effects of irradiance and tree size on foliage of 269	in 17
acorn dispersal by <i>Apodemus</i> mice 187 age variation in food requirements of sika deer 89	community structure and regeneration dynamics in mixed cool-temperate forests 351 changes during 12 years in old-growth temperate
age and life history tactics in organisms with determinate	forest 23 competition
growth 61 ants; predation on soil-dwelling invertebrates by 11 Apodemus mice; acorn dispersal by 187 aquatic plants; decomposition of leaves of 201	and feeding territoriality in grazing fish 165 intraspecific, in roadside populations of <i>Galium</i> aparine 121
ascidians; nutritional diversity in (Note and Comment) 381	cormorants see Phalacrocorax carbo crop milk and growth of nestlings in Rufous Turtle
avifauna see birds	Dove 51 culm recruitment in bamboo savannas of dry tropics 149
В	cultivated land; soil respiration rate in 217
bacteria, sulfate-reducing; distribution in freshwater sediments of 257	D
bait traps to examine underground activity of ants 11 bamboo see Dendrocalamus strictus, Sasa	deciduous forests
beech see Fagus crenata	forest structure and regeneration in 363
biomass	leaf life span and herbivory in 283
in bamboo savannas of dry tropics 149 of <i>Phyllospadix iwatensis</i> and water depth 291	root respiration and clear-felling in 111 soil macroinvertebrates and litter disappearance in 35
biotic decomposition of leaves of Nymphaea elegans 201	decomposition rate of leaves of Nymphaea elegans 201
community structure along urban-rural gradients of 1	defoliation; response of tropical woody species to 321 Dendrocalamus strictus; culm recruitment and carbon flux
effect on structure of evergreen forests of colonies of 193	in 149
bivoltinism and social evolution of wasps 79 broad-leaved forests	desert, volcanic; nitrogen translocation of clonal plants in 175
root respiration and clear-felling in 111 vegetation and micro-landforms in 325	determinate growth; life history tactics in organisms with 61
brood size and its limiting factors in Rufous Turtle Dove 51	differentiation of topo-community patterns and regeneration dynamics 351
C	distribution of seedlings and litter cover (Note and Comment) 105
Camellia rusticana; heavy snowfall and stomatal response of 207	of sulfate-reducing bacteria in freshwater sediments 257 disturbance
canopy	after typhoon in temperate rainforests 229
changes during 12 years in temperate forest 23 effects of irradiance and tree size on 269	forest structure and regeneration in unstable valleys after 363
spatial distribution of species in temperate forest 311	diversity of nutrition in symbiotic ascidians (Note and Comment) 381
topo-community patterns and replacement of 351 carbon dioxide evolution in double cropping fields 217	double cropping fields; soil respiration in 217
carbon	Drepanotermes tamminensis; litter harvesting by 69
flux in bamboo savannas of dry tropics 149	drought, winter; adaptation of Camellia rusticana to 207

E

environmental gradients and spatial structure of avifauna 1 epichiles in pollination of *Epipactis thunbergii* by syrphid flies 249

Epipactis thunbergii; pollination by syrphid flies of 249 erosion

and regeneration dynamics in mixed cool-temperate forests 351

and vegetation structure in evergreen broad-leaved forest 325

eusociality and social evolution of wasps 79 evergreen forests

effect of cormorant colonies on structure of vegetation and micro-landforms in 325 evolutionary models see models

F

Fagus crenata

gnawing by rodents and seedling mortality of 97 spatial distribution in temperate forest of 311 fecundity variations in intertidal gastropods 371 feeding territoriality and competitor abundance in grazing fish 165

fire; landform effects on regeneration of mixed forests after 339

flies, syrphid; pollination of *Epipactis thunbergii* by 249 foliage structure

effects of irradiance and tree size on 269 of *Phyllospadix iwatensis* and water depth 291

of *Phyllospadix iwatensis* and water depth 29 food habits of sika deer 89

foraging in reconstructed nests of *Ropalidia fasciata* 79 forest regeneration and seedling mortality in beech and oak forests 97

forest structure and regeneration in unstable valleys 363 forests see broad-leaved forests, coastal forests, deciduous forests, evergreen forests, mixed forests, old-growth forests, rainforests, temperate forests, valley forests

fragmentation and avifauna along urban–rural gradients

Fraxinus spaethiana; forest structure and regeneration

of 363

freshwater sediments see sediments

G

Galium aparine; mortality, growth and size inequality in 121

gaps

after typhoon in temperate rainforests 229 and regeneration dynamics in different topocommunities 351

gastropods; variation in fecundity across intertidal zone of 371

geographical information systems and analysis of fire behaviour 339

geology and post-fire regeneration in mixed forests 339 growth

and fecundity of intertidal gastropods 371

effect of defoliation and resource availability on 321 in roadside populations of *Galium aparine* 121 indeterminate, and feeding territoriality in grazing fish 165

H

harvesting rate of litter by termites and soil nutrient dynamics 69

herbivorous snails; variation in fecundity across intertidal zone of 371

herbivory; responses of Quercus to 283

hypertrophic lakes; distribution of sulfate-reducing bacteria in sediments of 257

1

inter-brood interval and brood size in Rufous Turtle

intertidal zone

production and population ecology of seagrass in 291 variation in fecundity of intertidal gastropods across 371

invertebrates; ant predation on soil-dwelling 11

see also macroinvertebrates

irradiance and changes in foliage distribution 269

L

landform

and fire behavior in mixed forests 339 and vegetation structure in evergreen broad-leaved forest 325

landscape and spatial structure of avifauna 1

leave

effects of irradiance and tree size on morphology of 269 herbivory on *Quercus* and life span of 283 water depth and characteristics of *Phyllospadix* iwatensis 291

life history evolution in organisms with determinate growth 61

Litsea japonica; multi-stem clump structure of 17 litter

differences between European and Japanese forests in removal of 35

Drepanotermes tamminensis and harvesting of 69 seedling emergence and cover of (Note and Comment) 105

M

macroinvertebrates; differences between European and Japanese forests in soil 35

maintenance of topo-community patterns and regeneration dynamics 351

 $\begin{array}{cc} metabolism \ and \ nutrition \ in \ symbiotic \ ascidians \ (Note \ and \ Comment) & 381 \end{array}$

methods

litter bag technique to evaluate decomposition of leaves 201

spool-and-line method for survey of acorn dispersal by Apodemus mice 187 mice see Apodemus mice mixed forests community structure and regeneration dynamics in 351 landform and post-fire regeneration in 339 spatial distribution of canopy and understory species in 311 models evolutionary model for organisms with determinate growth 61 simulation model for litter harvesting by termites 69 Monodonta labio; variation in fecundity across intertidal zone of 371 morphology of Pinus thunbergii and variation in soil characteristics 299 of temperate rainforest trees after typhoon 229 density-dependent, in roadside populations of Galium aparine 121 of seedlings in beech and oak forests 97

N

nest reconstruction by progeny females of Ropalidia fasciata 79
nitrogen
concentration and herbivory in Quercus 283
translocation by clonal plants in oligotrophic
deserts 175
nutrient dynamics and litter harvesting by termites 69
nutrient recovery in sedges with reference to nutrient
conditions and shading 139
Nymphaea elegans; decomposition of leaves of 201

0

oak see Quercus mongolica
old-growth forests; stand dynamics during 12 years in 23
orchids see Epipactis thunbergii
ordination of spatial structure of avifauna 1
organic matter and sulfate-reducing bacteria in freshwater
sediments 257

P

Phalacrocorax carbo; effect on structure of evergreen forests
of 193
photosynthesis by Camellia rusticana in heavy
snowfall 207
Phragmites australis; effects of shading of sedges by 139

Phragmites australis; effects of shading of sedges by 139 Phyllospadix iwatensis; production and population ecology of 291

physiological integration of clonal plants in oligotrophic deserts 175

Pinus thunbergii; variation in soil characteristics and stand structure of 299

plant defences and defoliation in tropical woody species 321

Plecoglossus altivelis; competitor abundance and feeding territoriality in 165

pollination of Epipactis thunbergii by syrphid flies 249
population ecology of Phyllospadix iwatensis 291
post-fire regeneration and landform in mixed forests 339
predation by ants on soil-dwelling invertebrates 11
production
in bamboo savannas of dry tropics 149
of Phyllospadix iwatensis 291
Pterocarya rhoifolia; forest structure and regeneration
of 363

Q

Quercus mongolica var. grosseserrata
gnawing by rodents and seedling mortality of 97
herbivory and response of 283
Quercus robur; effects of irradiance and tree size on foliage distribution of 269

R

radiotelemetry for survey of acorn dispersal by Apodemus mice 187 rainforests temperate, effects of disturbance by typhoon on 229 tropical, soil macroinvertebrates and litter disappearance reciprocal replacement of canopy and understory species in temperate forests 311 regeneration and community structure in mixed cool-temperate forests 351 and forest structure in unstable valleys 363 post-fire, and landform in mixed forests 339 and organisms with determinate growth 61 variation in intertidal gastropods 371 resistance of temperate rainforests after typhoon 229 resource-availability hypothesis and growth response to defoliation 321 resources feeding territoriality in grazing fish and renewability growth responses to defoliation and availability of 321 Reynoutria japonica; nitrogen translocation in oligotrophic deserts of 175 rodents and mortality of hardwood seedlings 97 root respiration and clear-felling in broad-leaved forest 111

S

Sasa grassland; mortality of hardwood seedlings in 97 savannas; carbon flux in bamboo 149 seagrass see Phyllospadix iwatensis, Syringodium isoetifolium sedges see Carex spp. sediments; distribution of sulfate-reducing bacteria in freshwater 257

Ropalidia fasciata; nest reconstruction and social evolution

Rufous Turtle Dove see Streptopelia orientalis

defoliation in tropical woody species and growth response
of 321
litter cover and emergence of (Note and Comment) 105 mortality in beech and oak forest 97
senescence in organisms with determinate growth 61
sexual variation in food requirements of sika deer 89
shading effects on nutrient recovery and specific leaf area
variation in Carex spp. 139
shoot density of <i>Phyllospadix iwatensis</i> and water depth 291
sika deer see Cervus nippon
simulation model see models
size hierarchy in Galium aparine 121
snow cover; stomatal response of Camellia rusticana to
heavy 207
social evolution of Ropalidia fasciata 79
soil
ant predation on invertebrates in 11
macroinvertebrates in European and Japanese forest 35
regeneration dynamics and erosion of 351
respiration and clear-felling in broad-leaved forest 111
respiration in double cropping fields 217
seedling emergence and litter cover on sandy (Note and
Comment) 105
stand structure of <i>Pinus thunbergii</i> and characteristics of 299
Solenopsis japonica; predation on soil-dwelling invertebrates
by 11
spatial distribution of forest and micro-landforms 325
spatial heterogeneity in stand structure of Pinus
thunbergii 299
spatial variation
in avifauna along urban-rural gradients 1
in canopy and understory species in temperate
forest 311
in fecundity of intertidal gastropods 371
in food requirements of sika deer 89
specific leaf area in sedges with reference to nutrient
conditions and shading 139
sprouting
of Litsea japonica 17
after typhoon in temperate rainforests 229
stand dynamics
during 12 years in old-growth temperate forest 23
of clonal plants in oligotrophic deserts 175
stand structure of <i>Pinus thunbergii</i> and variation in soil characteristics 299
stem characteristics of Litsea japonica in dwarf coastal
forest 17
stomatal response to heavy snowfall in Camellia
rusticana 207
Streptopelia orientalis, brood size and its limiting factors
in 51
subtidal zone; production and population ecology of seagrass
in 291 succession; seedling emergence and litter cover during (Note
and Comment) 105

sulfate-reducing bacteria see bacteria
Syringodium isoetifolium; nutritional diversity of symbiotic
ascidians in (Note and Comment) 381
syrphid flies see flies

T

temperate forests cool, community structure and regeneration dynamics cool, spatial distribution of canopy and understory species in 311 cool, stand dynamics during 12 years in 23 forest structure and regeneration in 363 warm, effects of disturbance by typhoon on 229 temperature and soil respiration rate 217 termites see Drepanotermes tamminensis Tetramorium caespitum; predation on soil-dwelling invertebrates by 11 topography and regeneration dynamics in mixed cool-temperate forests 351 and stand structure of Pinus thunbergii 299 transition probability analysis and forest stand dynamics 23 tree decline in forests and presence of cormorant colonies 193 tropical plants; growth response to defoliation in 321 typhoons disturbance in temperate rainforests after 229 nest reconstruction by Ropalidia fasciata after 79

U

understory species; spatial distribution in temperate forest of 311 urban ecology and spatial structure of avifauna 1

V

valley forests; forest structure and regeneration in 363 vegetation structure and micro-landforms in evergreen broad-leaved forest 325 and presence of cormorant colonies 193

W

wasps see Ropalidia fasciata
water content and soil respiration rate 217
Weibull function and characterization of foliage
distribution 269
wind stress; and stem characteristics in dwarf coastal
forest 17
woody plants; growth response to defoliation in 321

